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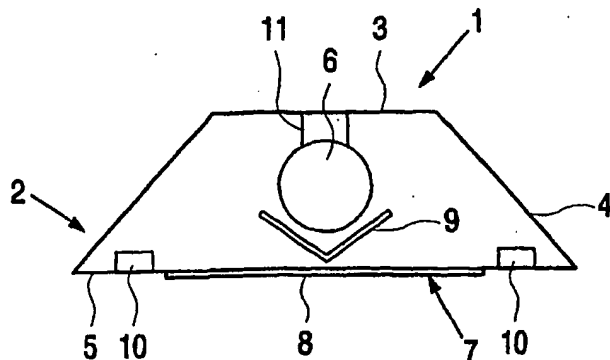
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(54) Title: LAMP SYSTEM WITH GREEN-BLUE GAS-DISCHARGE LAMP AND YELLOW-RED LED



(57) Abstract: The invention relates to a lamp system having a gas-discharge lamp with a color point in the green-blue, an LED with a color point in the yellow-red, and an optical component for additive mixing of the light from the gas-discharge lamp and the LED, and to a corresponding method of illumination. A blue and green emitting fluorescent lamp is particularly suitable as gas-discharge lamp, and a red-yellow-emitting AlGaInP LED or a red-emitting AlGaAs LED as LED. Through additive mixing of the light from these high-efficiency light sources, the invention provides a highly efficient light source affording good color rendering, which contains all three primary colors and is particularly suited to the highly efficient generation of white light.

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